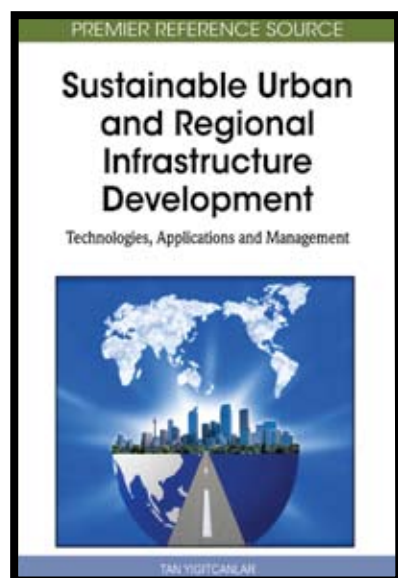


New Release

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Sustainable Urban and Regional Infrastructure Development: Technologies, Applications and Management



Edited by: Tan Yigitcanlar, Queensland University of Technology, Australia

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The concept of 'sustainability' has been pushed to the forefront of policy-making and politics as the world wakes up to the impacts of climate change and the effects of the modern urban lifestyle.

Sustainable Urban and Regional Infrastructure Development: Technologies, Applications and Management, bridges the gap in the current literature by addressing the overall problems present in society's major infrastructures, and the technologies that may be applied to overcome these problems. It focuses on ways in which energy intensive but 'invisible' (to the general public) facilities can become green or greener. The studies presented are lessons to be learnt from our neighbors and from our own backyard, and provide an excellent general overview of the issues facing us all.

"This book fills a significant gap in the literature by bringing together issues related to urban and regional development, and infrastructure planning, management and provision by focusing on triple-bottom-line sustainability."

Tan Yigitcanlar, Queensland University of Technology, Australia

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About the Editor:

Tan Yigitcanlar has a multi-disciplinary background and over two decades of work experience in private consulting, government and academia. Currently holding a senior academic position at the School of Urban Development, Queensland University of Technology, Brisbane, Australia, the main foci of his research are advocating and promoting knowledge-based urban development and sustainable urban, infrastructure and transport development in city-regions. These two broad research areas are clustered around several themes: knowledge economy, knowledge-intensive activities, knowledge city, ubiquitous city, local governance, civic engagement, sustainable urban and infrastructure development, urban and transportation modelling, accessibility planning, online planning support systems, and understanding urban structures, processes and driving forces in the knowledge era. Dr Yigitcanlar is one of the leading researchers in the field of 'knowledge-based and sustainable urban development', and he has been responsible for research, teaching, training and capacity building programmes on urban and regional planning, transport modelling, environmental science, policy analysis and information and communication technologies in respected Turkish, Japanese and Australian universities. He is the editor of five books entitled 'Knowledge-based urban development', 'Creative urban regions', 'Knowledge-based development of cities and societies', 'Sustainable urban and regional infrastructure' and 'Sustainable urban and infrastructure development'. He is the Editor-in-Chief of the 'International Journal of Knowledge Based Development', Annual Special Issue Editor of the 'Journal of Knowledge Management', the Chair of the 'World Capital Institute Events Program' and the Chair of the 'Knowledge Cities World Summit Executive Board'.

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